



## Web App Design with React Week 1 Coding Assignment

**Points possible:** 70

Category	Criteria	% of Grade
Functionality	Does the code work?	25
Organization	Is the code clean and organized? Proper use of white space, syntax, and consistency are utilized. Names and comments are concise and clear.	25
Creativity	Student solved the problems presented in the assignment using creativity and out of the box thinking.	25
Completeness	All requirements of the assignment are complete.	25

**Instructions:** In VS Code, or an IDE of your choice, write the code that accomplishes the objectives listed below. Ensure that the code compiles and runs as directed. Take screenshots of the code and of the running program (make sure to get screenshots of all required functionality) and paste them in this document where instructed below. Create a new repository on GitHub for this week's assignments and push this document, with your JavaScript project code, to the repository. Add the URL for this week's repository to this document where instructed and submit this document to your instructor when complete.

### Coding Steps:

1. Using create-react-app, create a new React project.
2. Create a LoginForm component that should contain username and password input fields, an h3 that says Log In, and a border. Style the component using the default generated css file.
3. Create a Navigation component that contains links styled like a navbar. The links don't have to go anywhere.
4. Put the Navigation component at the top of the page and the LoginForm in the center of the page.

### Screenshots of Code:



# PROMINEO TECH

```
<> index.html X JS index.js JS Navigation.js JS LoginForm.js JS Username.js JS Password.js
public > <> index.html > html > head > link
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="utf-8" />
5     <link rel="icon" href="%PUBLIC_URL%/favicon.ico" />
6     <meta name="viewport" content="width=device-width, initial-scale=1" />
7     <meta name="theme-color" content="#000000" />
8     <meta
9       name="description"
10      content="Web site created using create-react-app"
11    />
12    <link rel="apple-touch-icon" href="%PUBLIC_URL%/logo192.png" />
13    <link rel="manifest" href="%PUBLIC_URL%/manifest.json" />
14    <title>React App</title>
15  </head>
16  <body>
17    <noscript>You need to enable JavaScript to run this app.</noscript>
18    <div id="root"></div>
19  </body>
20 </html>
21
```

```
<> index.html JS index.js X JS Navigation.js JS LoginForm.js JS Username.js JS Password.js
src > JS index.js
1 import React from 'react';
2 import ReactDOM from 'react-dom';
3 import '../node_modules/bootstrap/dist/css/bootstrap.css';
4 import './index.css';
5 import App from './App';
6 import NavBar from './components/Navigation';
7 import reportWebVitals from './reportWebVitals';
8
9
10 ReactDOM.render(
11   <NavBar />,
12   document.getElementById('root')
13 );
14
15 // If you want to start measuring performance in your app, pass a function
16 // to log results (for example: reportWebVitals(console.log))
17 // or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals
18 reportWebVitals();
19
```



# PROMINEO TECH

```
index.html JS index.js JS Navigation.js X JS LoginForm.js JS Username.js JS Password.js
src > components > JS Navigation.js > NavBar > render
3
4
5 export default class NavBar extends React.Component {
6   render() {
7     return(
8       <div>
9         <nav className="navbar navbar-expand-sm navbar-dark bg-success">
10           <div className="container-fluid">
11             <a className="navbar-brand" href="#">Evergreen Bank</a>
12             <button className="navbar-toggler" type="button" data-bs-toggle="collapse"
13               data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent"
14               aria-expanded="false" aria-label="Toggle navigation">
15               <span className="navbar-toggler-icon"></span>
16             </button>
17             <div className="collapse navbar-collapse" id="navbarSupportedContent">
18               <ul className="navbar-nav me-auto mb-2 mb-lg-0">
19                 <li className="nav-item">
20                   <a className="nav-link active" aria-current="page" href="#">Home</a>
21                 </li>
22                 <li className="nav-item">
23                   <a className="nav-link" href="#">Loans</a>
24                 </li>
25                 <li className="nav-item">
26                   <a className="nav-link" href="#">Accounts</a>
27                 </li>
28                 <li className="nav-item">
29                   <a className="nav-link" href="#"></a>
30                 </li>
31               </ul>
32             </div>
33           </nav>
34           <LoginForm />
35         </div>
36       </div>
37     );
38   }
39 }
40
41 }
```

```
index.html JS index.js JS Navigation.js JS LoginForm.js X JS Username.js JS Password.js
src > components > JS LoginForm.js > ...
1 import React from 'react';
2 import Username from './Username';
3 import Password from './Password';
4
5 export default class LoginForm extends React.Component {
6   render() {
7     return (
8       <div className="container">
9         <div className="card w-25 position-absolute top-50 start-50 translate-middle">
10           <div className="card-header bg-success text-white border border-5 border-dark">
11             <h3>Log In</h3>
12           </div>
13           <div className="card-body border border-3 border-success">
14             <Username />
15             <Password />
16           </div>
17         </div>
18       </div>
19     );
20   }
21 }
22
23 |
```



# PROMINEO TECH

```
< index.html JS index.js JS Navigation.js JS LoginForm.js JS Username.js X JS Password.js
src > components > JS Username.js > Username
1 import React from 'react';
2
3 export default class Username extends React.Component {
4   render() {
5     return (
6       <div className="mb-3">
7         <label for="usernameInput" className="form-label">Username</label>
8         <input type="username" className="form-control" id="usernameInput" placeholder="Username"></input>
9       </div>
10     );
11   }
12 }
```

```
< index.html JS index.js JS Navigation.js JS LoginForm.js JS Username.js JS Password.js X
src > components > JS Password.js > Password > render
1 import React from 'react';
2
3 export default class Password extends React.Component {
4   render() {
5     return (
6       <div className="mb-3">
7         <label for="passwordInput" className="form-label">Password</label>
8         <input type="password" className="form-control" id="passwordInput" placeholder="Password"></input>
9       </div>
10     );
11   }
12 }
```

**Screenshots of Running Application:**



# PROMINEO TECH

Evergreen Bank   Home   Loans   Accounts

Log In

Username

Password

**URL to GitHub Repository:**

<https://github.com/aheiser2/React-Week-1.git>